284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	11/04/24
Project:	Bergen Point 69kV - 4KV-13KV Conversion Project OP	Date Received:	11/04/24
Client Sample ID:	BP-F4	SDG No.:	P4701
Lab Sample ID:	P4701-05	Matrix:	Solid
Analytical Method:	NJEPH	% Solid:	86.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	2000 uL
Soil Aliquot Vol:	uL	Test:	EPH_NF
Prep Method :			

Prep Date :	Date Analyzed :	Prep Batch ID
11/05/24 09:56	11/06/24 1:58	PB164681

CAS Number	Parameter	Conc.	Qualifier	Dilution	MDL	LOQ / CRQL	Units(Dry Weight)	Datafile
TARGETS								
Aliphatic C28-C40	Aliphatic C28-C40	6.03		1	2.08	2.31	mg/kg	FE051047.D
Aliphatic C9-C28	Aliphatic C9-C28	4.27	J	1	1.99	4.63	mg/kg	FE051047.D
Total AliphaticEPH	Total AliphaticEPH	10.3			4.07	6.94	mg/kg	
Total EPH	Total EPH	10.3			4.07	6.94	mg/kg	

* As samples are not fractionated, all aliphatic and aromatic carbon compounds in the C9-C40 carbon range are calculated against the aliphatic calibration curve, and reported as Aliphatic EPH. Therefore, the aliphatic C9-C40 concentration for the sample is reported as the Total EPH.

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution

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Prep Method :			

File ID :	Dilution:	Prep Date :	Date Analyzed :	Prep Batch ID
FE051047.D	1	11/05/24	11/06/24	PB164681

CAS Number	Parameter		Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS							
Aliphatic C9-C28	Aliphatic C9-C28		4.27	J	1.99	4.63	mg/kg
Aliphatic C28-C40	Aliphatic C28-C40		6.03		2.08	2.31	mg/kg
SURROGATES							
3383-33-2	1-chlorooctadecane (SURR)		49.8		40 - 140	100%	SPK: 50
84-15-1	ortho-Terphenyl (SURR)		47.7		40 - 140	95%	SPK: 50

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Quantitation Report For Aliphatic EPH Range.

Lab Sample ID:	P4701-05	Acq On:	06 Nov 2024 01:58
Client Sample ID:	BP-F4	Operator:	YP\AJ
Data file:	FE051047.D	Misc:	
Instrument:	FID_E	ALS Vial:	24
Dilution Factor:	1	Sample Multiplier:	1.00

Compound	R.T.		Response	Conc	highest_standard	Units
Aliphatic C9-C12	3.140	6.760	2251538	15.756	300	ug/ml
Aliphatic C12-C16	6.761	10.191	1625790	11.203	200	ug/ml
Aliphatic C16-C21	10.192	13.549	1731094	11.988	300	ug/ml
Aliphatic C21-C28	13.550	17.205	2349143	16.525	400	ug/ml
Aliphatic C28-C40	17.206	22.048	10829577	78.303	600	ug/ml
Aliphatic EPH	3.140	22.048	18787142	133.776		ug/ml
ortho-Terphenyl (SURR)	11.853	11.853	7517545	47.68		ug/ml
1-chlorooctadecane (SURR)	13.286	13.286	5889352	49.79		ug/ml
Aliphatic C9-C28	3.140	17.205	7957565	55.472	1200	ug/ml